

WATER (41)

AGENCY PLAN: STATEMENT OF PURPOSE, GOALS AND BUDGET SUMMARY

STATEMENT OF PURPOSE:

The Water and Sewerage Department exceeds our customers' expectations through innovative treatment and transmission of water and wastewater that promote healthy communities and economic growth, and excels in the management of cost efficient water sources for the people of Southeastern Michigan

AGENCY GOALS:

The Water Division is administratively part of the Detroit Water and Sewerage Department while maintained as a separate fund in the City of Detroit Accounting System.

AGENCY FINANCIAL SUMMARY:

2006-07 <u>Requested</u>		2005-06 <u>Budget</u>	2006-07 <u>Recommended</u>	Increase (Decrease)
\$ 161,103,172	Operation and Maintenance	\$ 159,976,436	\$ 161,103,172	\$ 1,126,736
116,507,564	Debt Service	109,842,800	116,507,564	6,664,764
34,287,200	Capital Appropriations	33,452,800	34,287,200	834,400
<u>400,000,000</u>	Bonded Capital	<u>-</u>	<u>400,000,000</u>	<u>400,000,000</u>
\$ 711,897,936	Total Appropriations	\$ 303,272,036	\$ 711,897,936	\$ 408,625,900
\$ 311,897,936	Departmental Revenues	\$ 303,272,036	\$ 311,897,936	\$ 8,625,900
<u>400,000,000</u>	Sale of Bonds	<u>-</u>	<u>400,000,000</u>	<u>400,000,000</u>
\$ 711,897,936	Total Revenues	\$ 303,272,036	\$ 711,897,936	\$ 408,625,900
\$ -	NET TAX COST:	\$ -	<u><u>\$ -</u></u>	\$ -

AGENCY EMPLOYEE STATISTICS:

2006-07 <u>Requested</u>		2005-06 <u>Budget</u>	04-01-06 <u>Actual</u>	2006-07 <u>Recommended</u>	Increase (Decrease)
<u>1,900</u>	City Positions	<u>1,916</u>	<u>1,538</u>	<u>1,900</u>	(16)
1,900	Total Positions	1,916	1,538	1,900	(16)

ACTIVITIES IN THIS AGENCY:

	2005-06 <u>Budget</u>	2006-07 <u>Recommended</u>	Increase (Decrease)
Administrative Services	\$ 48,719,458	\$ 49,877,112	\$ 1,157,654
Financial Services	6,534,966	6,670,459	135,493
Asset Maintenance	47,408,658	47,428,209	19,551
Plant Operations - Water	51,941,197	51,941,197	-
Engineering Services	5,372,157	5,186,195	(185,962)
Water - Capital and Debt Service	<u>143,295,600</u>	<u>550,794,764</u>	<u>407,499,164</u>
Total Appropriations	\$ 303,272,036	\$ 711,897,936	\$ 408,625,900

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ADMINISTRATIVE SERVICES ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: ADMINISTRATIVE SERVICES

The role of the Administrative Support Group is to support the mission and goals of the department. The Administrative Support Group is responsible for carrying out the policies of the Board and the business management of the department. This group consists of ten (10) major divisions: Administration, Public Affairs, Document Management, Security, Office of Program Management, Information Systems Management Division, Commercial Operations, Systems Control, Meter Operations and the Contracts and Grants Division.

The **Public Affairs Division** is primarily responsible for compiling and disseminating public information and materials relative to the department's activities through audiovisual, media relations, public relations, and marketing to better provide retail and wholesale customers, and all national and international stakeholders, accurate and up to date information regarding the Water and Sewerage Department. Public Affairs provides complete audiovisual services for DWSD and produces videotaped public service announcements for multimedia broadcast. Public Affairs assists with the dissemination of information and feedback from employees on DWSD plans, programs, and initiatives and promotes a more open and cooperative work environment for all DWSD employees.

The **Commercial Operations Division**, which reports to the Public Affairs Division, is responsible for directing, coordinating, processing, and monitoring DWSD retail and suburban wholesale customer billing and collection activities, collection related to delinquent accounts, processing landlord/tenant agreements, bankruptcy claims and other customer service tasks including meter reads, special payment arrangements, coordinating services with other City agencies, schedule customer billing dispute hearings, and other related activities.

The **Meter Operations Division** focuses on the meter maintenance function of the department, with an emphasis on meter repair, calibration or replacement for water and wastewater clients (wholesale suburban, residential retail and commercial/industrial). This division also provides much needed instrumentation and controls maintenance support related to the operation of the water production/distribution and wastewater collection systems.

The **Document Management Division** is responsible for disseminating information in a timely and efficient manner for Detroit Water and Sewerage internal customers. The division responsible for a comprehensive department wide program for Records Management, which includes, but is not limited to: development and management program, records appraisal, retention and disposition, records protection, records and information management technology. The Document Management Division is responsible for the Service Improvement Program.

The **Security Division** provides a safe and secure working environment for all DWSD personnel. The division's essential responsibilities include: a range of coordinating efforts for emergency response, preparedness measures, actions, and processes; loss prevention monitoring, planning, and reporting; prevent and detect unlawful activity and offenses on or within facilities; conduct departmental incident and safety investigations; patrol and inspect facilities; prepare, design, and instruct in service, and emergency preparedness training.

The **Office of Program Management (OPMA) Division** currently serves as administrative support for the Office of the DWSD Director and Deputy Director; distributes various regulatory compliance documents relative to EPA, MDEQ, and other electronic legislative information; prepares and coordinates various regulatory reports that include SARA Title III, Michigan Air Emission Reporting Systems (MAERS), Spill Prevention Control & Countermeasure and Pollution Incident Prevention Plans (SPCC/PIP), Process Safety Management Plans (PSMs), and Risk Management Plans (RMPs); coordinates, monitors, prepares, and distributes the monthly DWSD Status Report that updates all activities to be completed per the Second Amended Consent Judgment mandate; Invoice Processing; repository for Wastewater Operations monitoring, violation and compliance reports; Waste Manifest record keeping; maintains a resource library; maintains DWSD Water and Wastewater Service Contracts and Agreements; coordinates and participates in environmental activities with federal, state, and local organizations/universities to build general public awareness; prepares, coordinates, and submits NPDES permit applications to the MDEQ for the WWTP, and for the Lake Huron and Southwest water plants; acts as a liaison between DWSD divisions and regulatory agencies regarding environmental and regulatory issues. Other activities include preparing and submitting

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the DWSD Wastewater System Operational Plan and PCB/ Mercury Minimization Program annual updates to the MDEQ as required by the NPDES Permit, researching and investigating 201 sites and their impact on the DWSD PCB/Mercury Minimization Program, Emergency/Non-Emergency Environmental Response including waste cleanup, hazardous waste removal and disposal, PCB Equipment Management including transformers, management of the Underground and Aboveground Storage Tank (UST/AST) Programs, and Steering Committee Member of the DWSD's health and safety contract.

The **Contracts and Grants Division** is divided into four (4) units: Consultant Contracts, Construction Contracts, Grants/Loans/Audits and Local Economic Development. The Consultant and Construction Units prepare advertisements and contract documents, monitor progress on contract work, including payment and reports, and provide closeout services. The Grants/Loans/Audits Unit provides contract monitoring, closeout, and regular audit functions for construction, consultant services, and construction management projects. Also, the Local Economic Development Unit monitors targeted enterprise participation on contracts, which is mandated by Executive Orders and City Ordinances.

The **Information Systems Division** manages and supports servers, desktop systems, networks, and telephone systems, and related software applications within the department. Systems supported include the EMPAC maintenance management system, CBMS customer billing system, wide area and local area networks and related wiring and cabling infrastructure, intranet and Internet servers, anti-virus and other security related systems, electronic mail, calendar, and directory systems, eVMS visual management system, electronic document management system, fax server, and report management and production system. Services and support are also provided for radio systems for both voice and data communications. Technical and programming services are provided for systems developed or maintained within DWSD, as well as for related report development and production requirements. Information Systems personnel also manage and support departmental Data Centers located in the Central Services facility, Wastewater Treatment Plant, and Water Board Building. Additional support services provided include providing review and recommendations on other DWSD projects with respect to information systems concerns, participation in the contract bid review process, developing and disseminating information systems related standards for DWSD, maintaining a database of computer, radio, and telephone equipment, and managing the provision of mobile telephones, pagers and radios.

The **Systems Operations Control Division** is directly responsible for pumping treated water to 126 communities and providing wastewater collection services to 78 communities. It remotely operates 22 water booster stations and 12 sewage pumping stations from the new Systems Control Center (SCC). SCC maintains capability for monitoring and controlling the water distribution network and wastewater collection systems. SCC has operational flexibility to compensate for changing water demands by adjusting water pressures and reservoir flows in the water distribution system. SCC also has the ability to adapt to varying wastewater flows by adjusting selected sewer regulator settings, interceptor flow levels and in-system storage facilities. The division generates valuable data on pressures and levels throughout the system on a 24/7 basis and keeps pumpage records and logs on all activities within the system, around the clock. After analysis of data, various daily, weekly, monthly and annual reports are generated and distributed. The division notifies communities and regulatory agencies on all CSO (combined sewer overflow) incidents, coordinates all projects affecting the system and keeps DWSD wholesale customers informed of project impacts in advance. SCC is also the nerve center for the Department's operations.

GOALS:

1. To implement the policies of the Board, Charter requirements and Federal mandates for supplying water and sewerage services.
2. To provide an adequate level of trained personnel to operate the water and sewerage systems.
3. To implement a comprehensive agency-wide reference source.
4. To ensure widespread internal knowledge of key messages and to develop a well informed employee base.
5. To educate and inform both retail and wholesale customers and the community about important DWSD projects, initiatives, and water and wastewater issues.

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6. To continuously carry out proactive public safety measures by enhancing security practices at all facilities. These practices are based on a vulnerability assessment conducted for the Environmental Protection Agency (EPA).
7. Information Systems will continue to provide required hardware, software, and technical support services for departmental information system needs, and to facilitate interfaces and communications with City-wide information system activities.
8. Commercial Operations will continue employee training and activities to continue implementation of all applications of the Customer Billing and Management System to ensure improved customer service, revenue billing and collection efforts.
9. The Meter Operations Division's goals are to increase commercial/industrial water meter reading accuracy, and to increase residential water meter reading accuracy to improve the billing and revenue collection stream, by calibrating and maintaining all the meters installed in the system.
10. To efficiently and effectively process contracts, grants and loans. Also, to encourage local businesses to participate in the Department's contracting process.

MAJOR INITIATIVES FOR FY 2005-06 and FY 2006-07:

- The Public Affairs Division has expanded its customer outreach program with suburban wholesale water customers. DWSD employees are being trained to assume the role of facilitator at all Technical Advisory Committee (TAC) work group meetings. The TAC is comprised of representatives from DWSD and its wholesale water customers. The TAC was formed as a venue where DWSD and its wholesale customer communities could discuss and resolve issues of common concern.
- The Security Division has increased security at various DWSD locations. Implementation of security monitoring devices has been executed at all unmanned sites (i.e., pumping and booster stations). The division also conducts ongoing site assessments, and manages any necessary protection enhancements required for: intakes, perimeters, ovation system, chlorinated water plants, hazardous chemical buildings and water plants.
- Install security cameras at Clearwells, main transformers, and emergency generators.
- When the Water Meter Replacement and Fixed Automatic Meter Reading Equipment Installation Contract (CM-2007) are approved, the Meter Operations Division will have all non-functioning and outdated water meters replaced within the City of Detroit. CM-2007 is a four (4) year contract.
- The replacement of the water meters will increase overall meter accuracy and greatly reduce meter maintenance cost over the next ten (10) years. The Fixed Network Reading System will allow DWSD to collect daily/hourly reads from every meter for consumption analysis.
- In the current year, the Wholesale Automatic Meter Reading (WAMR) System/Supervisory Control and Data Acquisition (SCADA) has been improved upon. This System provides benefits to the DWSD and eighty-seven (87) Wholesale/Suburban Water Customers. The WAMR System records, stores and transmit the meter readings, water pressures and other monitoring signals every five minutes for 281 wholesale meter pit locations and 465 meters. The eighty-seven (87) Wholesale/Suburban Water Customers are provided laptop computers, by the DWSD, so they can monitor conditions in their meter pits. They can access data such as meter reads, pressure readings, flooding and tampering as well as other related data. Benefits to the DWSD, but not limited to, include notifying Instrument Technicians of equipment failures; recording and storing meter calibration reports; aiding in prompt investigation and repair of faults and failures; aiding in the proper sizing and selection of meters; providing data for rate analysis and producing specialized reports that assists in the billing process. The WAMR System provides raw data, which can be utilized to develop comparison charts; trending charts and flow histograms.
- The PC-713 contract is nearing completion. The new Systems Control Center (SCC) at Central Services Facility is fully functional. Our division is operating from the new SCC since May 2005. The new control facility provides the ability to monitor entire water distribution and wastewater collection system controlling elements on the video wall.
- To increase the participation of Detroit Headquartered, Detroit Based, Minority and Women businesses through the Mayor's Executive Orders, while exceeding the expectation of the local business community.
- Information Systems initiatives planned or implemented include the following: implement further improvements to Wide Area Networking; server consolidation (ongoing); implement departmental Business

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Requirements Plan document for information systems; continue with “evergreening” (scheduled replacement) of computer equipment; implement further improvements to the DWSD intranet.

- Conversion of all residential customers to monthly billing (Early 2006)
- Opening of the Westside Payment Center for Saturday Hours (Early 2006)
- Upgrade the Customer Billing and Management System (CBMS) of the enQuesta Software

PLANNING FOR THE FUTURE FOR FY 2006-07, FY 2007-08 and BEYOND:

- The DWSD plans to expand the Wholesale Automatic Meter Reading System to include additional Wholesale/Suburban Water Customers and expand the capabilities of the System.
- Plans are to develop a Website so the DWSD Wholesale/Suburban Water Customers can access the above-mentioned data through the Internet.
- When PC713 is complete, responsibility of the control center will then be transferred to DWSD. The department's emergency operations center is also located in this facility.
- The goal of the Watershed Management Initiative is to plan and work toward an environmentally and economically healthy watershed that benefits all who have a stake in it.
- To complete the closeout process of grants in audit by the Federal Government's Environmental Protection Agency. Also, to reach out to local construction and professional services firms to inform them of opportunities with the Department.
- Information Systems planned initiatives include the following: develop and implement recommendations for telephone system improvements; develop and implement initiatives to improve Total Cost of Ownership for information systems; server consolidation (ongoing); continue with “evergreening” (scheduled replacement) of equipment
- Securing a larger facility for the Westside Payment Center
- Implement an on-line bill payment solution
- Retail meter replacement (CM 2007)

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ADMINISTRATIVE SERVICES MEASURES AND TARGETS

Type of Performance Measure: List of Measures	2003-04 Actual	2004-05 Actual	2005-06 Projection	2006-07 Target
Inputs: Resources Allocated or Service Demands Made				
City populations served	1 million	1 million	900,000	900,000
Suburban populations served	3.3 million	3.3 million	3.3 million	3.3 million
Number of grant applications/amendments	1	0	0	0
Value of grant applications/amendments	\$346,900	0	0	0
Number of State Revolving Loan Fund applications	0	2	2	2
Value of loan applications	\$0	\$31,000,000	\$30,000,000	\$30,000,000
Wholesale Meter Replacement	282	283	N/A	*300
Commercial/Industrial Meter Replacement (System Total – 16,000)	98	3,279	*4,650	4,950
Residential Meter Replacement (System Total 260,000)	2,589	78,152	*82,152	*16,000
Activity Costs	\$19,694,508	\$43,232,542	\$48,719,458	\$49,877,112

*NOTE: The 4,650 and 82,152 numbers under the 2005-06 Projection Column reflect the total installations at the time of recording. The 300 and 16,000 numbers will be in addition to those totals.

CITY OF DETROIT
Water Department
Financial Detail by Appropriation and Organization

Office of the Director Administration	2005-06 Redbook		2006-07 Dept Final Request		2006-07 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION</i>						
<i>ORGANIZATION</i>						
00085 - Administration						
411010 - Office of the Director	9	\$5,066,284	9	\$602,843	10	\$3,993,580
411020 - Public Affairs Division	32	\$917,299	33	\$1,145,140	33	\$939,372
411030 - Document Management	0	\$140,729	0	\$143,605	0	\$143,605
411040 - General Staff Services	0	\$8,630,212	0	\$8,737,068	0	\$8,872,909
411050 - General Departmental Services	0	\$5,054,264	0	\$5,280,037	0	\$5,308,540
411060 - Human Resources	0	\$17,058	0	\$17,058	0	\$17,058
411070 - Safety	0	\$223,763	0	\$296,013	0	\$296,013
411080 - Security	130	\$3,130,843	130	\$3,553,534	130	\$2,889,018
411090 - Office of Program Management Assist	0	\$485,286	0	\$449,533	0	\$448,334
411100 - Print Shop	0	\$187,249	0	\$167,698	0	\$167,548
411110 - Information Systems Administrative S	47	\$5,411,347	49	\$4,796,193	49	\$4,352,866
411120 - Application Support	0	\$0	0	\$100,088	0	\$100,087
411130 - Software Support	0	\$0	0	\$381,650	0	\$381,650
411140 - Hardware Support	0	\$0	0	\$144,925	0	\$144,925
411150 - Strategic Planning	0	\$0	0	\$6,375	0	\$6,375
411160 - Network Support	0	\$0	0	\$212,373	0	\$212,373
411180 - Radio/SCADA Infrastructure Support	0	\$0	0	\$194,650	0	\$194,650
411200 - Contracts and Grants	28	\$404,153	28	\$614,994	28	\$426,140
411220 - Commercial Operations	212	\$5,279,775	212	\$6,781,169	212	\$5,624,479
411225 - Customer Billing	0	\$339,536	0	\$263,536	0	\$263,536
411230 - Customer Service - Detroit	0	\$39,318	0	\$39,319	0	\$39,318
411235 - Collections	0	\$7,147	0	\$83,148	0	\$83,147
411240 - Addressograph	0	\$643,327	0	\$1,139,642	0	\$1,139,642
411245 - Meter Reading	0	\$21,871	0	\$21,871	0	\$21,871
411250 - Meter Operations	85	\$1,712,476	85	\$2,887,716	85	\$2,485,818
411255 - Meter Records	0	\$16,214	0	\$16,214	0	\$16,214
411260 - Meter Shop	0	\$80,700	0	\$115,716	0	\$115,639
411265 - Meter Instrumentation Shop	0	\$624,711	0	\$895,773	0	\$895,174
411280 - Systems Operations Control	35	\$2,876,855	35	\$3,850,160	35	\$3,484,613
411290 - Water Technical Services	7	\$603,056	7	\$724,893	7	\$651,693
411300 - Operations Services	10	\$814,186	10	\$572,378	10	\$519,125
411310 - Pumping Station - Ford Road	0	\$5,991,800	0	\$5,641,800	0	\$5,641,800

CITY OF DETROIT
Water Department
Financial Detail by Appropriation and Organization

Pumping Station - Ford Road	2005-06		2006-07		2006-07	
	Redbook		Dept Final		Mayor's	
Administration			Request		Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION</i>						
<i>ORGANIZATION</i>						
00085 - Administration						
411310 - Pumping Station - Ford Road	0	\$5,991,800	0	\$5,641,800	0	\$5,641,800
APPROPRIATION TOTAL	595	\$48,719,458	598	\$49,877,112	599	\$49,877,112
ACTIVITY TOTAL	595	\$48,719,458	598	\$49,877,112	599	\$49,877,112

CITY OF DETROIT
Budget Development for FY 2006-2007
Appropriations - Summary Objects

	2005-06 Redbook	2006-07 Dept Final Request	2006-07 Mayor's Budget Rec
AC0541 - Administration Services			
<i>A41000 - Water Department</i>			
SALWAGESL - Salary & Wages	10,791,942	12,425,782	12,463,167
EMPBENESL - Employee Benefi	5,608,760	9,575,436	5,931,470
PROFSVCSL - Professional/Con	13,146,864	11,127,981	11,127,981
OPERSUPSL - Operating Suppli	2,303,694	4,030,579	4,059,082
OPERSVCSL - Operating Servic	20,903,577	20,675,090	20,772,625
CAPOUTLSL - Capital Outlays/I	1,650	1,650	1,650
OTHEXPSSL - Other Expenses	(4,037,029)	(7,959,406)	(4,478,863)
<i>A41000 - Water Department</i>	48,719,458	49,877,112	49,877,112
AC0541 - Administration Services	48,719,458	49,877,112	49,877,112
Grand Total	48,719,458	49,877,112	49,877,112

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FINANCIAL SERVICES ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: FINANCIAL SERVICES GROUP

The Financial Services Group consists of five (5) divisions, which provide general accounting, purchasing, materials management, financial planning and internal audit services for both (Water Supply and Sewage Treatment Operations) within the department. The divisions reporting to the Financial Services Group include the following:

The **Accounting Division** contains several sections which combined are responsible for directing, coordinating, posting, processing and monitoring activities related to cash receipts and disbursements, investments, bank activities, vendor payments, inventory activities and depreciation of property, plant and equipment, year-end closing and financial operation analysis to facilitate preparation of the trial balance and financial statements. In addition, this division coordinates activities related to the annual city audit, provides financial information as processed by the Oracle system, and performs other related tasks.

The **Financial Planning Division** is responsible for coordination, development, implementation and monitoring activities related to the DWSD operation and maintenance (O&M) budget, water supply and sewage treatment system service rates and charges, coordination of system revenue bond financing, and other related functions for the department.

The **Internal Audit Division** facilitates the department's internal efforts to perform operational audits of transactions, procedures, and processes in various areas within DWSD, analysis and/or other investigative tasks. In addition, this section works with the external auditors to facilitate completion of audit activities. This section reports findings, and makes recommendations when necessary to improve performance of operations, accountability, ensure appropriate accounting controls, and safeguard the department's assets.

Materials Management Division: The mission of the Materials Management Division is to make available a supply of goods and services necessary to support DWSD in its mission at all times, under all conditions, at an optimum value per dollar spent while maintaining public confidence. To accomplish this mission, Materials Management recommends policies and procedures, and executes approved policies and procedures, regarding operations and maintenance of fuel dispensing systems, inventory control, stocking of materials, resource recovery and auditing the preceding functions. The division also provides limited moving, transportation and warehousing services for materials and equipment.

The **Purchasing Division** ensures goods and services are purchased in the most efficient manner, are delivered by the date needed, at the maximum end-use value per dollar spent, and meet the quality specified and finally that during the entire procurement process, the department has complied with all federal, state and local laws, statutes, ordinances, and executive orders that pertain to the procurement process.

GOALS:

1. To develop and implement fair, equitable water and sewage rates and charges to all system customers using uniform rate methodologies.
2. Improve the integrity and timeliness of posting accounting transactions via the use of the City's Detroit Resource Management System (DRMS), prepare financial statements and perform employee training, and improve customer service.
3. Maintain and/or strive to achieve revenue bond credit ratings upgrades for both systems through continual review and improvement of operational, financial and management policies internal and external to the department.
4. Improve budgetary development and monitoring activities via use of enhanced technology (the City's Budget Resource and Support System-BRASS), business processes and continued employee training in all respective areas, and in the long run reduce operational expenditures where possible emphasizing operational efficiency department-wide.

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5. Perform appropriate internal audit activities, provide recommendations where necessary to facilitate the improvement of operational performance, accountability, ensure appropriate accounting controls, and safeguard the department's assets.
6. Ensure that DWSD has a well-integrated inventory and warehouse system that results in lower inventory and operational costs while customer service levels are maintained or improved. Inventory management must ensure the stock is available while reducing inventory costs; and the warehouse management function must increase productivity and reduce costs by streamlining the physical process of warehousing and producing fewer mistakes.

MAJOR INITIATIVES FOR FY 2005-06 and FY 2007-08:

- Continued with the incorporation of the classification – Purchasing Assistants. The department has three (3).
- Participated, along with staff from MMD and Accounts Payable, the review and analysis of the Work Order/Services Procurement Business Process.
- Participated, along with staff from MMD and Accounts Payable, the review and analysis of the Raw Chemical Procurement Business Process.
- Worked with staff from DWSD – Materials Management and Finance – Purchasing to develop several blanket contracts for DWSD.
- Training & Utilization of the DWSD – Documentum Program.
- Issued Notice of Intent to sell Sewage Revenue Bonds to finance the Capital Improvement Program
- Modify Customer Billing and Management System for monthly billing
- Will continue replacing its aging fleet of forklift equipment.
- Will begin making its unmanned satellite stores locations more secure via monitored alarm systems and making needed repairs to windows and doors.
- To continue 80% high dollar value inventories with multiple 20% inventories occurring continuously throughout the year. This will further increase the inventory accuracy.
- Continue working with DWSD Purchasing to increase the number of stock Blanket Purchase Orders for more of our high turnover items.

PLANNING FOR THE FUTURE FOR FY 2006-07, FY 2007-08 and BEYOND:

- Plan & Develop In-house Educational Workshops for DWSD Staff on the various Procurement Processes, to emphasize cost – saving contract development.
- Participate in the department's Supplier Outreach for 2006 and/or 2007.
- Provide O/EDS Training to staff to enhance skill level and improve current business processes.
- To continue maintaining a purchase requisition processing level in which PO's less than \$25,000 that does not require BOWC approval are processed and delivered within 45 business days.
- Upgrade the Customer Billing and Management System Application.
- Upgrade DWSD's asset maintenance system
- Expand the MMD Warehouse Safety Program.
- Working with Field Engineering to more accurately determine pipe needs in advance.

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FINANCIAL SERVICES MEASURES AND TARGETS

Type of Performance Measure:	2003-04	2004-05	2005-06	2006-07
List of Measures	Actual	Actual	Projection	Target
Inputs: Resources Allocated or Service Demands Made				
Fuel Procurement/Usage (Gallons)	898,713	500,411	515,423	530,885
Efficiency: Program Costs related to Units of Activity				
Stock Inventory Levels (Benchmark – 95%)	98%	98%	98%	99%
Activity Costs	\$1,825,652	\$4,927,164	\$6,534,966	\$6,670,459

CITY OF DETROIT
Water Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Financial Services Financial Services Group	2005-06 Redbook		2006-07 Dept Final Request		2006-07 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00086 - Financial Services Group						
412010 - Office of Assistant Director of Financial Services	2	\$2,044,939	2	\$980,549	2	\$1,911,659
412020 - Financial Administrative Services	8	\$266,345	8	\$485,616	8	\$390,406
412030 - Budget/Fiscal Reporting	0	\$1,827	0	\$1,827	0	\$1,827
412040 - Rates	0	\$220,936	0	\$221,246	0	\$221,246
412080 - General Accounting Administrative Services	61	\$1,279,712	61	\$1,729,950	61	\$1,380,585
412090 - Financial Reporting	0	\$4,103	0	\$4,250	0	\$4,250
412100 - Fixed Assets/Inventory/Payables	0	\$17,637	0	\$17,935	0	\$17,935
412110 - Cash Management	0	\$28,585	0	\$28,585	0	\$28,585
412220 - Purchasing	25	\$571,787	25	\$695,340	25	\$562,917
412230 - Material Management	70	\$2,032,615	70	\$2,438,681	70	\$2,084,569
412235 - Water Plant Stores	0	\$10,960	0	\$10,960	0	\$10,960
412240 - West Yard Warehouse	0	\$6,774	0	\$6,774	0	\$6,774
412245 - CSF - Warehouse	0	\$23,545	0	\$23,545	0	\$23,545
412250 - Operations Support	0	\$8,266	0	\$8,266	0	\$8,266
412255 - Inventory Audit	0	\$5,975	0	\$5,975	0	\$5,975
412260 - Automotive Stores	0	\$10,960	0	\$10,960	0	\$10,960
APPROPRIATION TOTAL	166	\$6,534,966	166	\$6,670,459	166	\$6,670,459
ACTIVITY TOTAL	166	\$6,534,966	166	\$6,670,459	166	\$6,670,459

CITY OF DETROIT
Budget Development for FY 2006-2007
Appropriations - Summary Objects

	2005-06 Redbook	2006-07 Dept Final Request	2006-07 Mayor's Budget Rec
AC1041 - Financial Services			
<i>A41000 - Water Department</i>			
SALWAGESL - Salary & Wages	2,538,895	2,829,199	2,829,199
EMPBENESL - Employee Benefi	1,283,045	2,207,498	1,258,673
PROFSVCSL - Professional/Con	2,531,196	2,482,317	2,482,317
OPERSUPSL - Operating Suppli	266,047	269,695	269,695
OPERSVCSL - Operating Servic	744,784	728,610	728,610
CAPEQUPSL - Capital Equipmei	0	0	0
CAPOUTLSL - Capital Outlays/M	514	514	514
OTHEXPSSL - Other Expenses	(829,515)	(1,847,374)	(898,549)
<i>A41000 - Water Department</i>	6,534,966	6,670,459	6,670,459
AC1041 - Financial Services	6,534,966	6,670,459	6,670,459
Grand Total	6,534,966	6,670,459	6,670,459

WATER (41)

ASSET MAINTENANCE GROUP ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: ASSET MAINTENANCE GROUP

Asset Management provides maintenance services and facilities support assistance to its internal customers (i.e., the other five (5) administrative and operational groups) of the Water and Sewerage Department. Activities such as corrective and preventive maintenance for equipment and facilities is directed and coordinated through this group. Other functions include buildings, grounds and plant repair chores. This group is also responsible for vehicle fleet management operations and meter calibration and maintenance operations.

Plants, Buildings, Grounds and Mechanical Maintenance (MM) Division: The division provides centralized major maintenance and repair support services at five (5) water plants and 22 water booster stations, customer service centers, Central Services Facility and various other DWSJ buildings for the purposes of housekeeping and the grounds maintenance work, as well as electrical, mechanical and the other tasks where skilled trades work is needed. It also provides a support base for the equipment repair, calibration or replacements particularly for HVAC and other building equipment, as well as pumps, motors, valves and electrical power distribution equipment. This division also provides the vehicle fleet management for the department's fleet of vehicles and mobile construction equipment. This division assists Maintenance and Repair Division in repair of water mains and water distribution system valves.

The **Maintenance and Repair Division** repairs and maintains the water distribution and wastewater collection systems. The Division comprised of four (4) districts maintains all allied appurtenances, such as fire hydrants, water and sewer manholes, valves, water/sewer service lines and storm water basins and lead lines. The Telecommunications, Claims, Dispatch and Field Inspection Forces provide support services in providing service to the Department's nearly 4 million customers.

GOALS:

The Plants, Buildings, Grounds and Mechanical Maintenance Division's goals are:

1. Improve pumping equipment availability and reliability for the maximum utilization of the water plants and water booster stations.
2. Improve buildings and grounds maintenance of unmanned water booster stations.
3. Improve employees' safety at work locations and the general efficiency and effectiveness of their support function.
4. Continue to implement PM (preventive maintenance) measures on critical pumping and other equipment at water plants and water booster stations.
5. Continue to implement a management succession – planning program.

The Maintenance and Repair Division's goals are:

1. To increase customer satisfaction by reducing the number of water and sewer complaints.
2. Establish Divisional Training to reduce lost time accidents, and provide succession training to meet Divisional needs.
3. Establish Preventive maintenance programs in the water and sewer areas to improve efficiency.

MAJOR INITIATIVES FOR FY 2005-06 and FY 2006-07:

- The continued reduction of customer complaints, which translates into, improved customer service.
- Increase employee productivity while increasing work place safety via a proactive approach and improved communication.

PLANNING FOR THE FUTURE FOR FY 2006-07, FY 2007-08 and BEYOND:

- The establishment of a GIS Section
- Identify, recommend and implement changes to sustain improvements in productivity and safety.

WATER (41)

ASSET MAINTENANCE OPERATIONS MEASURES AND TARGETS

Type of Performance Measure:	2003-04	2004-05	2005-06	2006-07
List of Measures	Actual	Actual	Projection	Target
Outputs: Units of Activity directed toward Goals -				
Major Pumping Units Availability – Water (Benchmark – 85%)	89%	92%	95%	95%
Sites Maintained	58	59	59	59
Acreage Maintained	1,045	1,047	1,047	1,047
Vehicle Maintenance Performed (Repairs)	5,423	5,300	5,750	6,000
Preventive Maintenance measures implemented on system critical pumping equipment	35%	80%	100%	100%
Main leaks and breaks repaired	1,261	1,150	1,150	1,000
Service leaks repaired	926	850	800	700
Services replaced	33	50	100	100
New services installed	0	25	25	20
Old services discontinued	1,284	1,600	1,200	1,000
Job completed by plumber	490	500	480	450
Emergency investigations made	31,177	33,000	30,000	29,000
Gate valves repaired or replaced	428	300	200	150
Gate wells repaired	38	40	25	20
Fire hydrants repaired or replaced	1,463	1,500	1,200	1,100
New hydrants installed	0	5	5	5
Inputs: Resources Allocated or Service Demands Made:				
Total hydrants in system	30,430	30,430	30,430	30,430
Activity Costs	\$1,240,986	\$44,047,144	\$47,408,658	\$47,428,209

CITY OF DETROIT
Water Department
Financial Detail by Appropriation and Organization

Office of Assistant Director Asset Mainten Asset Maintenance Group	2005-06 Redbook		2006-07 Dept Final Request		2006-07 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00087 - Asset Maintenance Group						
414010 - Office of Assistant Director Asset Mair	7	\$6,030,980	7	\$155,485	7	\$4,911,806
414130 - Mechanical Operations Administration	280	\$9,803,342	280	\$12,003,679	280	\$10,270,607
414140 - Ground Maintenance	0	\$31,563	0	\$36,890	0	\$36,890
414150 - Field Operations	0	\$4,519,875	0	\$4,519,875	0	\$4,519,875
414160 - Mechanical Maintenance	0	\$1,619,887	0	\$1,623,288	0	\$1,623,287
414200 - Water Board Building	46	\$1,452,952	46	\$1,683,695	46	\$1,461,482
414240 - Maintenance and Repair 2004	454	\$22,001,925	454	\$25,441,925	454	\$22,651,751
414260 - West Yard	0	\$170,435	0	\$170,435	0	\$170,435
414310 - Maintenance & Repair Administration	0	\$7,624	0	\$7,624	0	\$7,624
414360 - Central Service Facility	1	\$1,770,077	1	\$1,785,313	1	\$1,774,452
APPROPRIATION TOTAL	788	\$47,408,658	788	\$47,428,209	788	\$47,428,209
ACTIVITY TOTAL	788	\$47,408,658	788	\$47,428,209	788	\$47,428,209

CITY OF DETROIT
Budget Development for FY 2006-2007
Appropriations - Summary Objects

	2005-06 Redbook	2006-07 Dept Final Request	2006-07 Mayor's Budget Rec
AC1541 - Asset Management			
<i>A41000 - Water Department</i>			
SALWAGESL - Salary & Wages	17,569,598	19,904,646	19,904,707
EMPBENESL - Employee Benefi	11,562,751	15,470,797	10,650,582
PROFSVCSL - Professional/Con	10,408,932	10,384,000	10,384,000
OPERSUPSL - Operating Suppli	3,341,779	3,025,903	3,025,903
OPERSVCSL - Operating Servic	2,014,313	1,923,674	1,923,674
CAPEQUPSL - Capital Equipmei	11,000	11,000	11,000
CAPOUTLSL - Capital Outlays/M	45,000	45,000	45,000
OTHEXPSSL - Other Expenses	2,455,285	(3,336,811)	1,483,343
<i>A41000 - Water Department</i>	<i>47,408,658</i>	<i>47,428,209</i>	<i>47,428,209</i>
AC1541 - Asset Management	47,408,658	47,428,209	47,428,209
Grand Total	47,408,658	47,428,209	47,428,209

WATER (41)

PLANT OPERATIONS - WATER ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: PLANT OPERATIONS - WATER

The **Water Production Division** operates five water treatment plants and three raw water intakes. The plants are responsible for producing drinking water that meets all state, federal and department standards for quality and safety. The plants are also responsible for producing enough water to meet the demand required during peak season.

The **Water Quality Division** is responsible for the testing and reporting of water quality throughout the distribution system to comply with federal and state Safe Drinking Water Act regulations and to provide data for department use. The Division is responsible for investigating customer complaints, disinfecting and testing new or repaired water mains, and investigating facilities for acceptable water quality. The division is also involved in drinking water research projects and source water protection programs.

GOALS:

1. Ensure an adequate supply of safe, potable water to all parts of the system.
2. Repair all plant and pumping equipment quickly and efficiently.
3. Increase water system reliability through increased input into the planning process.
4. Respond to all water quality customer complaints by the end of the workday.
5. Continue 100% compliance with drinking water regulations.

MAJOR INITIATIVES FOR FY 2005-06 and FY 2006-07:

In March of 2005 Water Supply Operations in cooperation with Human Resources sent employment recruitment letters to every certified Water Plant Operator in the state of Michigan. Over 400 letters were sent and although the response was low two applicants have been hired and six more are expected to be hired within the next few months. We have started hiring Water Plant Operator Apprentices again. We have not had new apprentices in over seven years. Five apprentices began working at the plants in 2005. These efforts are being made to fill current and anticipated vacancies due to retirements.

New Environmental Protection Agency (EPA) drinking water regulations will become effective in July 2006. The regulations will require considerably more testing of the raw water supply for microorganism such as cryptosporidium, and chemicals in the finished drinking water throughout the distribution system. The Water Quality group has anticipated and is prepared to comply with these new regulations.

PLANNING FOR THE FUTURE FOR FY 2006-07, FY 2007-08 and BEYOND:

We will continue evaluating skill sets required for various jobs in the division. Plant operations have become highly technical and computer controlled. We will need to change our job specifications and or create new titles that meet operational needs. Once skill sets are identified training programs will need to be put in place to ensure all employees are able to learn and maintain skills to perform their jobs and train subordinates for their succession.

Starting in 2006, DWSD will be working the Michigan Department of Environmental Quality (MDEQ) on a real time early warning monitoring system that will detect chemical spills or other contamination events that may cause a change in raw water quality coming into the plants. The MDEQ will be purchasing the equipment through a Homeland Security grant and selected DWSD as a monitoring site because our system is listed as critical infrastructure for the state of Michigan.

WATER (41)

PLANT OPERATIONS - WATER MEASURES AND TARGETS

Type of Performance Measure:	2003-04	2004-05	2005-06	2006-07
List of Measures	Actual	Actual	Projection	Target
Inputs: Resources Allocated or Service Demands Made				
Tons of chlorine used	1,656	1,700	1,700	1,700
Tons of fluoride used	874	1,000	1,000	1,000
Tons of alum used	1,243	1,300	1,300	1,300
Tons of Phosphate (corrosion control)	1,029	1,100	1,100	1,100
Activity Costs	\$51,247,394	\$139,069,389	\$51,941,197	\$51,941,197

CITY OF DETROIT
Water Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Water Oper: Water Operations Group	2005-06 Redbook		2006-07 Dept Final Request		2006-07 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00088 - Water Operations Group						
415010 - Office of Assistant Director of Water C	6	\$3,265,327	6	\$685,926	6	\$2,381,790
415020 - Water Works Park	49	\$11,176,507	49	\$11,792,679	49	\$11,412,316
415030 - Springwells Plant	48	\$10,403,348	48	\$11,001,955	48	\$10,597,936
415040 - Northeast Plant	30	\$8,256,175	30	\$8,665,421	30	\$8,399,119
415050 - Southwest Plant	32	\$6,258,980	31	\$6,643,979	31	\$6,387,560
415060 - Lake Huron Plant	27	\$10,554,161	27	\$10,935,867	27	\$10,679,372
415390 - Water Quality	15	\$2,026,698	15	\$2,215,370	15	\$2,083,104
APPROPRIATION TOTAL	207	\$51,941,197	206	\$51,941,197	206	\$51,941,197
ACTIVITY TOTAL	207	\$51,941,197	206	\$51,941,197	206	\$51,941,197

CITY OF DETROIT
Budget Development for FY 2006-2007
Appropriations - Summary Objects

	2005-06 Redbook	2006-07 Dept Final Request	2006-07 Mayor's Budget Rec
AC2041 - Plant Operations - Water			
<i>A41000 - Water Department</i>			
SALWAGESL - Salary & Wages	10,548,139	11,337,733	11,337,733
EMPBENESL - Employee Benefi	7,030,587	8,841,783	7,090,810
PROFSVCSL - Professional/Con	2,737,168	2,790,020	2,790,020
OPERSUPSL - Operating Suppli	6,663,370	6,727,037	6,727,037
OPERSVCSL - Operating Servic	22,221,598	21,995,444	21,995,444
OTHEXPSSL - Other Expenses	2,740,335	249,180	2,000,153
<i>A41000 - Water Department</i>	<i>51,941,197</i>	<i>51,941,197</i>	<i>51,941,197</i>
AC2041 - Plant Operations - Water	51,941,197	51,941,197	51,941,197
Grand Total	51,941,197	51,941,197	51,941,197

WATER (41)

ENGINEERING SERVICES GROUP ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: ENGINEERING SERVICES GROUP-WATER

Engineering Services Group provides engineering services to the remaining four- (4) operational groups within the department. The Group consist of seven (7) broad functional groups: Engineering/Administrative Support, Wastewater Design and Construction, Facilities Design, Water and Sewer Systems, Field Engineering and Combined Sewer Overflow Groups. A description of each group follows:

Engineering Administration is headed by the Assistant Director of Engineering Services This person acts as general manager providing overall guidance and direction to the 7 subgroups. The general and assistant superintendents of Engineering guide execution of the day-to-day engineering/contract activities. The Engineering and Administrative Support section provides general support to the Division's other six (6) groups. Support activities include fiscal projection and management, human resources management, material resources management, organizational development and training, statistical operations reporting, project accounting and reporting, and property management.

The **Wastewater Design and Construction Group** is located at the departments wastewater treatment and is singularly responsible for all design and construction of improvements and additions at that plant. As necessary it solicits construction inspection services from the Field Engineering Group inspects construction and alteration of the Wastewater Treatment Plant buildings and equipment for contract conformance. This group reviews drawings and procedures design documents in coordination with the Wastewater Design Group.

The **Facilities Design Group** directs and coordinates the preparation of design reports, cost estimates, and plans and specifications, by in-house or consultant forces, and acts as a resource for construction or field engineering staff efforts for projects related to Department locations and facilities excluding the Wastewater Treatment Plant and sewage pumping stations. All design work related to water production, pumping, metering and storage facilities is serviced by this group.

The **Water & Sewer Systems Group** directs and coordinates the preparation of design reports, cost estimates, plans and specifications for all transmission/distribution mains for water and sewer projects. This group is also responsible for the maintenance of all maps and records associated with the water and sewer system. This group consists of four (4) sections: Urban Design, Planning, Suburban Engineering and Records, and Major Design.

The **Field Engineering Group** plans, directs, and coordinates field engineering personnel in ongoing construction management of water mains, sewers, building construction, and equipment installation contracts; oversees all Water Treatment Plant renovations and provides construction inspection services to the Wastewater Design and Construction Group as necessary to support than group's efforts; insures the structural integrity of water systems during new and alteration construction work; initiates change orders; and provides locations stake-out under the Miss Dig system.

The **Combined Sewer Overflow (CSO) Group** directs and coordinates the preparation of design reports, cost estimates, and plans and specifications by consultant forces and acts as a resource to the construction or field engineering staff for projects related to CSO.

GOALS:

1. To perform the related functions of these divisions by reasonably and conservatively coordinating and managing resources via each operational group.
2. To insure that all engineering designs are in compliance with all federal, state and local agency requirements.
3. To insure that all water, sewage disposal and wastewater facilities are constructed in conformity with the plans and specifications, and those specifications are functional.

WATER (41)

MAJOR INITIATIVES FOR FY 2005-06 and FY 2006-07:

- Upgrades to electrical systems with additional emergency generators at the Water Works Park and Northeast Water Plants and Wick and Schoolcraft pumping stations along with remote monitoring and control for all new and existing generators. This project will provide adequate water to the entire service area in the event of a system-wide power failure.
- Rehabilitation of water filters media, controls and piping systems at the Springwells and Northeast water treatment plants.
- Rehabilitation of aging pumping systems and upgrades to energy efficient variable speed motor drives at the Schoolcraft Pumping Station, Wick Pumping Station, Northeast Plant High Lift and Lake Huron Plant High Lift.
- Replacement of the residential and commercial water meters and the addition of Automated Meter Reading.

PLANNING FOR THE FUTURE FOR FY 2006-07, FY 2007-08 and BEYOND:

- Waste washwater treatment at the Northeast Water Plant.
- Rebuilding of the settling basins and pre-treatment processes at the Springwells Water Plant.
- Expansion of the Rochester, Ypsilanti and Newburgh pumping stations.
- Construction of the Snover Road pumping station.

CITY OF DETROIT
Water Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Engineering Engineering Services - Water	2005-06 Redbook		2006-07 Dept Final Request		2006-07 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
05817 - Engineering Services - Water						
413010 - Office of Assistant Director of Engineer	3	\$1,488,809	3	\$169,266	3	\$1,343,301
413020 - Engineering Administrative Support	157	\$3,779,825	139	\$4,913,406	138	\$3,739,371
413030 - Field Engineering Group	0	\$50,316	0	\$50,316	0	\$50,316
413040 - Water System	0	\$35,791	0	\$35,791	0	\$35,791
413050 - Facilities Design	0	\$17,416	0	\$17,416	0	\$17,416
APPROPRIATION TOTAL	160	\$5,372,157	142	\$5,186,195	141	\$5,186,195
ACTIVITY TOTAL	160	\$5,372,157	142	\$5,186,195	141	\$5,186,195

CITY OF DETROIT
Budget Development for FY 2006-2007
Appropriations - Summary Objects

	2005-06 Redbook	2006-07 Dept Final Request	2006-07 Mayor's Budget Rec
AC2541 - Engineering Services - Water			
<i>A41000 - Water Department</i>			
SALWAGESL - Salary & Wages	2,657,061	2,754,653	2,754,653
EMPBENESL - Employee Benefi	1,077,141	2,137,874	935,259
PROFSVCSL - Professional/Con	52,500	52,500	52,500
OPERSUPSL - Operating Suppli	179,233	179,233	179,233
OPERSVCSL - Operating Servic	432,318	457,318	457,318
OTHEXPSSL - Other Expenses	973,904	(395,383)	807,232
<i>A41000 - Water Department</i>	<i>5,372,157</i>	<i>5,186,195</i>	<i>5,186,195</i>
AC2541 - Engineering Services - Water	5,372,157	5,186,195	5,186,195
Grand Total	5,372,157	5,186,195	5,186,195

WATER (41)

WATER CAPITAL ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: WATER CAPITAL

The Water Capital Program for the Water Supply System is a five-year plan devoted to rehabilitating and improving existing water treatment plants, pumping stations, system instrumentation, and master meter pits; replacing deteriorated water distribution mains in the city of Detroit; installing new mains or re-routing existing mains to accommodate new development in the Empowerment Zone and throughout the city of Detroit; automating the meter reading function; upgrading the instrumentation and process control equipment of the water transmission system; and constructing additional transmission mains and pumping facilities in order to continue looped transmission system; provide a backup water supply for the City of Flint and bring in more water to the service area from the Lake Huron Plant.

GOALS:

1. Provide essential, efficient and user-friendly services by:
 - Renovating, improving or replacing water plants and pumping stations to ensure a safe and adequate potable water supply.
 - Continuing the water main replacement program aimed at reducing the number of main breaks and leaks in the city of Detroit, thereby improving service, increasing public safety, and lowering costs to Detroit customers.
 - Automating the meter reading function and rehabilitating the suburban wholesale meters and meter pits to more accurately measure and bill for water service provided.
 - Continuing to computerize various departmental functions to reduce costs and improve operations.
2. Obtain business growth and expansion by:
 - Constructing these additional mains, booster stations and reservoirs required to ensure an adequate water supply to all existing and new customers.

WATER (41)

WATER CAPITAL MEASURES AND TARGETS

Type of Performance Measure: List of Measures	2003-04 Actual	2004-05 Actual	2005-06 Projection	2006-07 Target
Outputs: Units of Activity directed toward Goals				
Number of ongoing water capital projects – water plants, booster stations, reservoirs	57	81	63	74
Number of ongoing water capital projects- -improve urban systems	25	46	21	17
Number of ongoing water capital projects - Mechanical maintenance	2	2	3	2
Number of ongoing water capital projects - Computer systems:	16	26	22	16
Number of ongoing water capital projects - Metro area construction:	13	13	5	5
Total number of ongoing projects - all	113	168	114	114
Outcomes: Results or Impacts of Program Activities				
Value of ongoing water capital projects – water plants, booster stations, reservoirs	74,988,000	83,060,000	119,693,000	164,353,000
Value of ongoing water projects -improve urban systems	8,380,000	49,275,000	37,925,000	36,897,000
Value of ongoing water projects - Mechanical maintenance:	659,000	3,505,000	6,270,000	25,751,000
Value of ongoing water projects - Computer systems:	53,138,000	54,877,000	24,020,000	9,481,000
Value of ongoing water projects - Metro area construction:	18,173,000	7,778,000	11,915,000	23,301,000
Activity Costs	\$202,295,722	\$93,996,130	\$143,295,600	\$550,794,764

CITY OF DETROIT
Water Department
Financial Detail by Appropriation and Organization

Bond Principle & Interest Redemption Fund Debt Service and Maintenance	2005-06 Redbook		2006-07 Dept Final Request		2006-07 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00163 - Debt Service and Maintenance						
417010 - Bond Principle & Interest Redemption	0	\$109,842,800	0	\$116,507,564	0	\$116,507,564
APPROPRIATION TOTAL	0	\$109,842,800	0	\$116,507,564	0	\$116,507,564
00164 - Water System Improvements						
417030 - Improvement and Extension Water Sy	0	\$30,867,700	0	\$32,244,300	0	\$32,244,300
APPROPRIATION TOTAL	0	\$30,867,700	0	\$32,244,300	0	\$32,244,300
00583 - Water Extraordinary Repair and Replacem						
417060 - Water Extraordinary Repair and Repla	0	\$749,300	0	\$196,200	0	\$196,200
APPROPRIATION TOTAL	0	\$749,300	0	\$196,200	0	\$196,200
05733 - Reserve Deposit						
417020 - Debt Service Reserve	0	\$1,835,800	0	\$1,846,700	0	\$1,846,700
APPROPRIATION TOTAL	0	\$1,835,800	0	\$1,846,700	0	\$1,846,700
11487 - Water Bond Fund Series 2005						
417160 - Water Bond Fund Series 2005	0	\$0	0	\$400,000,000	0	\$0
APPROPRIATION TOTAL	0	\$0	0	\$400,000,000	0	\$0
12140 - Water Bond Fund Series 2007						
417161 - Water Bond Fund Series 2007	0	\$0	0	\$0	0	\$400,000,000
APPROPRIATION TOTAL	0	\$0	0	\$0	0	\$400,000,000
ACTIVITY TOTAL	0	\$143,295,600	0	\$550,794,764	0	\$550,794,764

CITY OF DETROIT
Budget Development for FY 2006-2007
Appropriations - Summary Objects

	2005-06 Redbook	2006-07 Dept Final Request	2006-07 Mayor's Budget Rec
AC3041 - Water - Capital and Debt Service			
<i>A41000 - Water Department</i>			
CAPEQUPSL - Capital Equipmei	7,500,000	7,500,000	7,500,000
OTHEXPSSL - Other Expenses	25,952,800	426,787,200	426,787,200
FIXEDCHGSL - Fixed Charges	109,842,800	116,507,564	116,507,564
<i>A41000 - Water Department</i>	<i>143,295,600</i>	<i>550,794,764</i>	<i>550,794,764</i>
AC3041 - Water - Capital and Debt Service	143,295,600	550,794,764	550,794,764
Grand Total	143,295,600	550,794,764	550,794,764

CITY OF DETROIT
Budget Development for FY 2006-2007
Appropriation Summary - Revenues

	2004-05 Actuals	2005-06 Redbook	2006-07 Dept Final Request	2006-07 Mayor's Budget Rec	Variance
A41000 - Water Department					
00085 - Administration					
472150 - Other Miscellaneous	1,351	0	0	0	0
561110 - Contrib-Group Ins-Depei	0	0	0	0	0
00085 - Administration	1,351	0	0	0	0
00758 - Water Bond Reserve					
461100 - Earnings On Investment	1,458,617	0	0	0	0
00758 - Water Bond Reserve	1,458,617	0	0	0	0
04826 - Revenue - Water Receiving					
440160 - Maint & Construction-Hy	0	0	2,740,500	0	0
441100 - Other Labors and Mater	35,653	600,000	600,000	600,000	0
441110 - Other Lbr & Matl Meter	104,855	0	0	0	0
447210 - Water Sales - Retail	56,284,707	81,798,457	77,410,525	77,410,525	(4,387,932)
447215 - Water Sales - Wholesal	200,050,332	205,785,526	218,905,663	218,905,663	13,120,137
447300 - Other Utility Revenue	13,683,247	0	0	0	0
447305 - Sales-Salv, Confis, Supl	19,937	0	0	0	0
448115 - Other Fees	167,508	999,400	1,159,500	1,159,500	160,100
448170 - Other Fee-Shut Off-Turr	29,495	0	0	0	0
448190 - Illegal Turn on Penalty	(3,560)	0	0	0	0
448195 - Service Disconnection F	35,240	0	0	0	0
461100 - Earnings On Investment	179,045	650,800	332,000	332,000	(318,800)
462241 - Rent of Building and Sp	79,650	0	0	0	0
471905 - Contributed Revenue	6,591,981	0	0	0	0
472100 - Other Forfeits And Penz	0	0	0	0	0
472117 - Late Payment Fee	1,080,081	0	0	0	0
472150 - Other Miscellaneous	(135,523)	2,900,600	0	2,740,500	(160,100)
472220 - Ng Check Service Charç	23,610	0	0	0	0
472255 - Sale Of Equipment	143,845	0	0	0	0
472260 - Sale Of Equipment - Me	6,037	0	0	0	0
474100 - Miscellaneous Receipts	24,000	370,553	770,848	770,848	400,295
474130 - Misc Recpts-Cash Over	49	0	0	0	0
04826 - Revenue - Water Receiving	278,400,189	293,105,336	301,919,036	301,919,036	8,813,700
04827 - Revenue - Water Operation -Maintenance					
448115 - Other Fees	10	0	0	0	0
448195 - Service Disconnection F	(380)	0	0	0	0
461100 - Earnings On Investment	99,593	0	0	0	0
472150 - Other Miscellaneous	(1,774,586)	0	0	0	0
472260 - Sale Of Equipment - Me	139	0	0	0	0
04827 - Revenue - Water Operation -M	(1,675,224)	0	0	0	0
00163 - Debt Service and Maintenance					

CITY OF DETROIT
Budget Development for FY 2006-2007
Appropriation Summary - Revenues

	2004-05 Actuals	2005-06 Redbook	2006-07 Dept Final Request	2006-07 Mayor's Budget Rec	Variance
A41000 - Water Department					
<i>00163 - Debt Service and Maintenance</i>					
461100 - Earnings On Investment	1,395,981	2,311,800	2,037,500	2,037,500	(274,300)
461101 - Unrealized Gain	2,689	0	0	0	0
<i>00163 - Debt Service and Maintenance</i>	<i>1,398,670</i>	<i>2,311,800</i>	<i>2,037,500</i>	<i>2,037,500</i>	<i>(274,300)</i>
<i>00164 - Water System Improvements</i>					
461100 - Earnings On Investment	65,388	250,000	666,400	666,400	416,400
<i>00164 - Water System Improvements</i>	<i>65,388</i>	<i>250,000</i>	<i>666,400</i>	<i>666,400</i>	<i>416,400</i>
<i>00583 - Water Extraordinary Repair and Replacen</i>					
461100 - Earnings On Investment	601,527	960,700	969,300	969,300	8,600
461101 - Unrealized Gain	(40,334)	0	0	0	0
<i>00583 - Water Extraordinary Repair and Replacen</i>	<i>561,193</i>	<i>960,700</i>	<i>969,300</i>	<i>969,300</i>	<i>8,600</i>
<i>10257 - Water Construction Bond Fund Series 19</i>					
461100 - Earnings On Investment	11,591	0	0	0	0
<i>10257 - Water Construction Bond Fund Series 19</i>	<i>11,591</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>10647 - Water Bond Fund - Series 2001</i>					
461100 - Earnings On Investment	10,773	0	0	0	0
<i>10647 - Water Bond Fund - Series 2001</i>	<i>10,773</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>11119 - Water Bond Fund Series 2003</i>					
461100 - Earnings On Investment	1,456,784	0	0	0	0
461101 - Unrealized Gain	0	0	0	0	0
471905 - Contributed Revenue	346,900	0	0	0	0
<i>11119 - Water Bond Fund Series 2003</i>	<i>1,803,684</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>11487 - Water Bond Fund Series 2005</i>					
461100 - Earnings On Investment	1,535,976	6,644,200	6,305,700	0	(6,644,200)
461101 - Unrealized Gain	398,033	0	0	0	0
522100 - Sale Of Bonds	0	0	400,000,000	0	0
<i>11487 - Water Bond Fund Series 2005</i>	<i>1,934,009</i>	<i>6,644,200</i>	<i>406,305,700</i>	<i>0</i>	<i>(6,644,200)</i>
<i>12140 - Water Bond Fund Series 2007</i>					
461100 - Earnings On Investment	0	0	0	6,305,700	6,305,700
522100 - Sale Of Bonds	0	0	0	400,000,000	400,000,000
<i>12140 - Water Bond Fund Series 2007</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>406,305,700</i>	<i>406,305,700</i>
A41000 - Water Department	283,970,241	303,272,036	711,897,936	711,897,936	408,625,900
Grand Total	283,970,241	303,272,036	711,897,936	711,897,936	408,625,900

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00085 - Administration			
411010 - Office of the Director			
Director - DWSD	1	1	1
Deputy Director - DWSD	1	1	1
Proc & Qual Control Mgr-DWSD	1	1	1
Admin Asst GD II - DWSD	2	2	2
Executive Secretary III	1	1	1
Executive Secretary II	2	2	2
Community Services Assistant	1	1	1
Process Control System Manager	0	0	1
Total Office of the Director	9	9	10
411020 - Public Affairs Division			
General Manager - DWSD	1	1	1
Admin Asst GD IV	1	1	1
Administrative Specialist I	2	2	2
Principal Governmental Analyst	2	2	2
Web Editor	3	3	3
Publicist II	1	1	1
Sr Promotional Activities Asst	5	6	6
Promotional Activities Assist	1	1	1
Principal Graphic Designer	1	1	1
Graphic Designer	2	2	2
Audio Visual Srves Sprv	1	1	1
Audio Visual Technician IV	2	2	2
Audio Visual Technician III	2	2	2
Audio Visual Technician II	2	2	2
Photographer - General	1	1	1
Principal Clerk	2	2	2
Senior Clerk	1	1	1
Office Assistant III	1	1	1
Office Assistant II	1	1	1
Total Public Affairs Division	32	33	33

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00085 - Administration			
411080 - Security			
Chief DWSD Security Administr	1	1	1
Asst Chief-DWSD Security-Admin	1	1	1
Sprv Srve Guard - GD II	4	4	4
Sprv Srve Guard - GD I	5	5	5
Security Specialist	12	12	12
Sr Governmental Analyst	1	1	1
Senior Clerk	1	1	1
Senior Stenographer	1	1	1
Office Assistant II	1	1	1
Clerk	1	1	1
Senior Service Guard - Water	12	12	12
Service Guard - Public Utility	90	90	90
Total Security	130	130	130
411110 - Information Systems Administrative			
General Manager - DWSD	1	1	1
Manager I - DWSD	1	1	1
Dept Info Tech Network Splst	4	4	4
Prin Data Proc Prog Analyst	4	4	4
Sr Data Proc Prog Analyst	11	11	11
Inter Data Proc Prog Analyst	7	7	7
Sr Data Proc Telecomm Tech	4	4	4
Office Management Assistant	1	1	1
Sr Governmental Analyst	1	1	1
Microcomputer Support Splst	7	7	7
Eng Support Specialist II	2	2	2
Principal Clerk	1	1	1
Office Assistant III	1	1	1
Info Tech Client Supp Asst	1	1	1
System Programming Coordinator	1	1	1
Senior Clerk	0	2	2

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00085 - Administration			
411110 - Information Systems Administrative			
Office Assistant II	0	0	0
Total Information Systems Administrative Ser	47	49	49
411200 - Contracts and Grants			
General Manager - DWSD	1	1	1
Manager I - DWSD	2	2	2
Principal Governmental Analyst	4	4	4
Sr Governmental Analyst	15	15	15
Principal Clerk	1	1	1
Senior Clerk	1	1	1
Office Assistant III	4	4	4
Total Contracts and Grants	28	28	28
411220 - Commercial Operations			
Manager II - DWSD	1	1	1
Manager I - DWSD	1	1	1
Commercial Oper Specialist III	5	5	5
Commercial Oper Specialist II	21	19	19
Commercial Oper Specialist I	9	12	12
Supervisor of Mail Operations	1	1	1
Office Management Assistant	1	1	1
Office Automation Support Asst	2	2	2
Customer Service Rep I	36	35	35
Customer Service Rep II	34	34	34
Customer Service Rep III	15	15	15
Permit Investigator - DWSD	4	4	4
Field Services Rep	18	18	18
Customer Services Supervisor	2	2	2
Sr. Water Meter Reader	38	38	38
Field Operations Sprvr	7	7	7
Admin Sprv - Field Operations	1	1	1
Mail Processor	3	3	3

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00085 - Administration			
411220 - Commercial Operations			
Office Assistant III	13	13	13
Total Commercial Operations	212	212	212
411250 - Meter Operations			
Manager II - DWSD	1	1	1
Manager I - DWSD	1	1	1
Administrative Specialist I	1	1	1
Office Management Assistant	1	1	1
Principal Governmental Analyst	1	1	1
Sr Governmental Analyst	1	1	1
Control Instru Tech -Foreman	1	1	1
Cont Instr Tech Sub-Foreman-Wa	2	2	2
Water Sys Cntrl Instr Tech	7	7	7
Sr Water Meter Foreman	1	1	1
Water Meter Foreman	4	4	4
Sr Water Meter Mechanic	3	3	3
Water Meter Mechanic	7	7	7
Water Meter Worker	18	18	18
Mechanical Helper	23	23	23
Senior Clerk	4	4	4
Office Assistant III	3	3	3
Clerk	2	2	2
Office Assistant II	3	3	3
Storekeeper	1	1	1
Total Meter Operations	85	85	85
411280 - Systems Operations Control			
Chief Water Systems Sprv	1	1	1
Head Eng - Water Sys-Operation	1	1	1
Engineer of Water Systems	1	1	1
Sr Assoc Civil Eng - Design	2	2	2
Water Sys Cntrl Instr Tech	3	3	3
Cont Instr Tech Sub-Foreman-Wa	1	1	1

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00085 - Administration			
411280 - Systems Operations Control			
Proc Control Center Supervisor	5	5	5
Proc Control Center Operator	5	5	5
Sr Water Plant Operator	14	14	14
Microcomputer Support Splst	1	1	1
Sr Data Proc Prog Analyst	1	1	1
Total Systems Operations Control	35	35	35
411290 - Water Technical Services			
Engineer of Wastewater Systems	2	2	2
Sr Assoc Civil Eng - Design	1	1	1
Sr Assoc Elect Eng - Design	1	1	1
Sr Assoc Mech Eng - Operation	1	1	1
Assoc Elect Eng - Design	1	1	1
Assoc Mech Eng - Design	1	1	1
Total Water Technical Services	7	7	7
411300 - Operations Services			
Sr Pitometer Technician	3	3	3
Pitometer Technician	5	5	5
Principal Clerk	1	1	1
Office Management Assistant	1	1	1
Total Operations Services	10	10	10
415050 - Southwest Plant			
Electrical Helper	0	0	0
Mechanical Helper	0	0	0
Elect Worker - General	0	0	0
Total Southwest Plant	0	0	0
Total Administration	595	598	599
00086 - Financial Services Group			
412010 - Office of Assistant Director of Finan			
Asst Director-DWSD Admin Sup	1	1	1

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00086 - Financial Services Group			
412010 - Office of Assistant Director of Finan			
Office Management Assistant	1	1	1
Total Office of Assistant Director of Financial	2	2	2
412020 - Financial Administrative Services			
Manager I - DWSD	3	3	3
Senior Auditor	1	1	1
Principal Governmental Analyst	1	1	1
Sr Governmental Analyst	3	3	3
Total Financial Administrative Services	8	8	8
412080 - General Accounting Administrative			
Manager II - DWSD	1	1	1
Manager I - DWSD	3	3	3
Administrative Specialist I	1	1	1
Principal Accountant	4	4	4
Senior Accountant	19	19	19
Senior Bookkeeper	1	1	1
Head Clerk	1	1	1
Principal Clerk	7	7	7
Senior Voucher Audit Clerk	6	6	6
Voucher Audit Clerk	2	2	2
Senior Clerk	5	5	5
Senior Teller	7	7	7
Office Assistant II	1	1	1
Teller	3	3	3
Total General Accounting Administrative Ser	61	61	61
412220 - Purchasing			
Manager II - DWSD	1	1	1
Principal Purchases Agent	1	1	1
Purchases Agent III	12	12	12
Purchasing Assistant	2	2	2
Office Management Assistant	1	1	1

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00086 - Financial Services Group			
412220 - Purchasing			
Head Clerk	1	1	1
Principal Clerk	1	1	1
Senior Clerk	3	3	3
Office Assistant III	3	3	3
Total Purchasing	25	25	25
412230 - Material Management			
Manager I - DWSD	1	1	1
Business System Support Splst	1	1	1
Office Management Assistant	1	1	1
Stores Operations Supervisor	3	3	3
Head Storekeeper	4	4	4
Senior Storekeeper	13	13	13
Storekeeper	27	27	27
Principal Governmental Analyst	1	1	1
Sr Governmental Analyst	6	6	6
Principal Clerk	2	2	2
Senior Clerk	5	5	5
Office Assistant III	1	1	1
Delivery - Driver	5	5	5
Total Material Management	70	70	70
413020 - Engineering Administrative Support			
Sr Assessment Technician	0	0	0
Principal Governmental Analyst	0	0	0
Associate Civil Eng - Design	0	0	0
Assistant Civil Engineer	0	0	0
Supervising Assessment Tech	0	0	0
Mechanical Engineer	0	0	0
Office Assistant II	0	0	0
Student Eng - Grade II Mech	0	0	0
Office Assistant III	0	0	0
Eng Support Specialist II	0	0	0

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00086 - Financial Services Group			
413020 - Engineering Administrative Support			
Construct Insp - Investigation	0	0	0
Assistant Mechanical Engineer	0	0	0
Assistant Electrical Engineer	0	0	0
Survey Technician	0	0	0
Total Engineering Administrative Support	0	0	0
Total Financial Services Group	166	166	166
00087 - Asset Maintenance Group			
414010 - Office of Assistant Director Asset Maintenance			
Asst Dir of DWSD - Asset Maint	1	1	1
Asst Director-DWSD Admin Sup	1	1	1
Manager II - DWSD	1	1	1
Manager I - DWSD	2	2	2
Head Eng - Water Sys-Operation	1	1	1
Office Management Assistant	1	1	1
Total Office of Assistant Director Asset Maintenance	7	7	7
414130 - Mechanical Operations Administration			
Sr Sprv of Mechanical Maint	1	1	1
Water/Wastewater Sys Maint Eng	1	1	1
Asst Sewer Safety Inspector	1	1	1
Manager II - DWSD	2	2	2
Sr Assoc Mech Eng - Operation	1	1	1
Sr Assoc Elect Eng - Waste	1	1	1
Assoc Mech Eng - Maintenance	1	1	1
Assoc Elect Eng - Design	1	1	1
Sr Governmental Analyst	1	1	1
Head Clerk	1	1	1
Senior Clerk	3	3	3
Office Assistant III	2	2	2
Office Assistant II	4	4	4
Clerk	2	2	2

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00087 - Asset Maintenance Group			
414130 - Mechanical Operations Administrat			
Plant Maintenance Sr Foreman	3	3	3
Plant Maintenance Foreman	9	9	9
Plant Maintenance Sub-Foreman	8	8	8
Plant Maintenance Mechanic	5	5	5
Elect Worker Foreman	1	1	1
Elect Worker Sub-Foreman	5	5	5
Elect Worker - General	15	15	15
Elect Repair Worker - General	8	8	8
Electrical Helper	2	2	2
Sr Auto Repair Foreman	1	1	1
Auto Repair Foreman	10	10	10
General Auto Mechanic	40	40	40
Auto Mechanic	18	18	18
Auto Repair Helper	2	2	2
Park Maintenance Opr Asst	1	1	1
Park Maintenance Sprv -GD II	1	1	1
Park Maintenance Foreman	2	2	2
Park Maintenance Sub-Foreman	2	2	2
Park Maintenance Worker	9	9	9
Park Maintenance Helper	7	7	7
Preventive Maintenance Coord	1	1	1
Machinist Sub-Foreman	1	1	1
General Machinist	8	8	8
General Blacksmith	1	1	1
Carpenter Foreman	1	1	1
Finish Carpenter	6	6	6
Painter Foreman	1	1	1
Finish Painter	13	13	13
Roofer	1	1	1
Plumber	1	1	1
Bricklayer	1	1	1

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00087 - Asset Maintenance Group			
414130 - Mechanical Operations Administration			
Maintenance Millwright	9	9	9
General Welder	6	6	6
Sheet Metal Worker	3	3	3
Water Systems Equip Mechanic	2	2	2
Repair Mechanic	5	5	5
Mechanical Helper	9	9	9
Supervising Bldg Attendant II	1	1	1
Supervising Bldg Attendant I	2	2	2
Building Attendant A	21	21	21
Bldg Trades Worker-Gen	3	3	3
Building Trades Helper	3	3	3
Sewer Safety Inspector	1	1	1
Sewer Safety Helper	2	2	2
Vehicle Operator I	6	6	6
Delivery - Driver	1	1	1
Total Mechanical Operations Administration	280	280	280
414200 - Water Board Building			
Bldg and Grds Maint Sprv	1	1	1
Bldg Oper Sprv - Grade II	1	1	1
Supervising Bldg Attendant II	1	1	1
Supervising Bldg Attendant I	1	1	1
Sr Pub Srve Attendant-Elev Ope	1	1	1
Building Operator I	3	3	3
Building Attendant A	24	24	24
Elect Worker - General	3	3	3
Elect Repair Worker - General	4	4	4
Elevator Mechanic	4	4	4
Garage Attendant	2	2	2
Senior Clerk	1	1	1
Total Water Board Building	46	46	46

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00087 - Asset Maintenance Group			
414240 - Maintenance and Repair 2004			
Admin Asst GD II - DWSD	1	1	1
Super-Water Sys Maint & Const	1	1	1
Asst Super Water Sys Maint	1	1	1
Sprv of Water Sys Maint	2	2	2
Asst Sprv Water Sys Maint	6	6	6
Sr Water Sys Maint Dispatcher	1	1	1
Water Sys Maint Dispatcher	15	15	15
Drafting Technician III	1	1	1
Drafting Technician II	1	1	1
Water Systems Foreman	18	18	18
Sr Water Systems Mechanic	40	40	40
Water Systems Mechanic	95	95	95
Water Systems Repair Worker	136	136	136
Water Systems Helper	31	31	31
Telecomm Center Sprv - DWSD	1	1	1
Construction Equip Operator	22	22	22
Miner	2	2	2
Service Information Clerk	12	12	12
Senior Stenographer	1	1	1
Principal Clerk	1	1	1
Bricklayer	4	4	4
Master Plumber	1	1	1
Plumber	4	4	4
Senior Clerk	7	7	7
Clerk	6	6	6
Vehicle Operator III	13	13	13
Vehicle Operator I	18	18	18
Sewer Inspector - Video Equip	2	2	2
Prin Construct Inspector-DWSD	1	1	1
Sr Construction Inspector	1	1	1
Construction Inspector	1	1	1

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00087 - Asset Maintenance Group			
414240 - Maintenance and Repair 2004			
Sewer Safety Inspector	2	2	2
Asst Sewer Safety Inspector	2	2	2
Sewer Safety Helper	4	4	4
Total Maintenance and Repair 2004	454	454	454
414360 - Central Service Facility			
Bldg Ops Sprv Central Servic	1	1	1
Total Central Service Facility	1	1	1
Total Asset Maintenance Group	788	788	788
00088 - Water Operations Group			
415010 - Office of Assistant Director of Water			
Asst Dir -DWSD Water Supply Op	1	1	1
Water Production&Operation Mgr	1	1	1
Admin Asst GD II - DWSD	2	2	2
Office Management Assistant	1	1	1
Clerk	1	1	1
Total Office of Assistant Director of Water Op	6	6	6
415020 - Water Works Park			
Water Treatment Plant Manager	1	1	1
Sprv Filtration	1	1	1
Plant Maintenance Foreman	1	1	1
Plant Maintenance Sub-Foreman	1	1	1
Head Water Plant Operator	5	5	5
Sr Water Plant Operator	4	4	4
Water Plant Operator	10	10	10
Water Sys Cntrl Instr Tech	1	1	1
Water Plant Attendant	1	1	1
Elect Worker - General	1	1	1
Elect Repair Worker - General	1	1	1
Senior Water Systems Chemist	5	5	5
Water Systems Chemist	5	5	5

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00088 - Water Operations Group			
415020 - Water Works Park			
Sr Water Sys Lab Technician	1	1	1
Plant Maintenance Mechanic	3	3	3
Repair Mechanic	2	2	2
Mechanical Helper	4	4	4
Electrical Helper	1	1	1
Principal Clerk	1	1	1
Total Water Works Park	49	49	49
415030 - Springwells Plant			
Water Treatment Plant Manager	1	1	1
Sprv Filtration	1	1	1
Plant Maintenance Foreman	1	1	1
Plant Maintenance Sub-Foreman	1	1	1
Plant Maintenance Mechanic	5	5	5
Repair Mechanic	2	2	2
Water Sys Cntrl Instr Tech	1	1	1
Senior Water Systems Chemist	5	5	5
Water Systems Chemist	4	4	4
Head Water Plant Operator	5	5	5
Sr Water Plant Operator	4	4	4
Water Plant Operator	10	10	10
Water Plant Attendant	4	4	4
Elect Worker - General	1	1	1
Elect Repair Worker - General	1	1	1
Electrical Helper	1	1	1
Senior Clerk	1	1	1
Total Springwells Plant	48	48	48
415040 - Northeast Plant			
Water Treatment Plant Manager	1	1	1
Sprv Filtration	1	1	1
Plant Maintenance Foreman	1	1	1
Plant Maintenance Sub-Foreman	1	1	1

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00088 - Water Operations Group			
415040 - Northeast Plant			
Plant Maintenance Mechanic	4	4	4
Senior Water Systems Chemist	6	6	6
Water Sys Cntrl Instr Tech	1	1	1
Head Water Plant Operator	4	4	4
Water Plant Operator	6	6	6
Elect Worker - General	1	1	1
Elect Repair Worker - General	1	1	1
Electrical Helper	1	1	1
Repair Mechanic	1	1	1
Principal Clerk	1	1	1
Total Northeast Plant	30	30	30
415050 - Southwest Plant			
Water Treatment Plant Manager	1	1	1
Head Water Plant Operator	1	1	1
Sr Water Plant Operator	5	5	5
Water Plant Operator	5	5	5
Plant Maintenance Foreman	1	1	1
Plant Maintenance Sub-Foreman	1	1	1
Plant Maintenance Mechanic	2	2	2
Senior Water Systems Chemist	5	5	5
Sprv Filtration	1	1	1
Water Sys Cntrl Instr Tech	1	1	1
Elect Repair Worker - General	1	1	1
Electrical Helper	1	0	0
Repair Mechanic	2	2	2
Plumber	1	1	1
Mechanical Helper	3	2	2
Senior Clerk	1	1	1
Elect Worker - General	0	1	1
Total Southwest Plant	32	31	31

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00088 - Water Operations Group			
415060 - Lake Huron Plant			
Water Treatment Plant Manager	1	1	1
Sprv Filtration	1	1	1
Plant Maintenance Foreman	1	1	1
Elect Worker - General	1	2	2
Plant Maintenance Sub-Foreman	1	1	1
Senior Water Systems Chemist	5	5	5
Head Water Plant Operator	4	4	4
Repair Mechanic	2	2	2
Water Sys Cntrl Instr Tech	1	1	1
Water Plant Operator	3	3	3
Mechanical Helper	1	1	1
Elect Repair Worker - General	1	0	0
General Auto Mechanic	1	1	1
Plant Maintenance Mechanic	3	3	3
Principal Clerk	1	1	1
Total Lake Huron Plant	27	27	27
415390 - Water Quality			
Water/Wastewater Sys Maint Eng	1	1	1
Sprv of Indust Waste Control	1	1	1
Chemical Engineer	1	1	1
Water Production&Operation Mgr	1	1	1
Principal Analytical Chemist	1	1	1
Senior Analytical Chemist	2	2	2
Analytical Chemist	1	1	1
Microbiologist	1	1	1
Sr Water Distrib Sys Investiga	1	1	1
Water Systems Investigator	5	5	5
Total Water Quality	15	15	15
Total Water Operations Group	207	206	206

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
05817 - Engineering Services - Water			
413010 - Office of Assistant Director of Engir			
Asst Dir-Water Resources-Eng	1	1	1
Manager I - DWSD	1	1	1
Office Management Assistant	1	1	1
Total Office of Assistant Director of Engineeri	3	3	3
413020 - Engineering Administrative Suppor			
Gen Superintendent Eng - DWSD	1	1	0
Superintendant of Eng - DWSD	1	1	1
Manager II - DWSD	1	1	1
Manager I - DWSD	1	1	1
Sr Governmental Analyst	1	1	1
Head Eng - Water Sys - Design	4	4	5
Head Civil Eng - Field	1	1	1
Engineer of Water Systems	6	6	5
Field Engineer	1	1	1
Senior Associate Architect	1	1	1
Sr Assoc Elect Eng - Design	2	2	2
Sr Assoc Civil Eng - Design	8	8	8
Sr Assoc Mech Eng - Design	4	4	4
Assoc Architectural Engineer	2	2	2
Associate Civil Eng - Design	8	5	5
Assoc Elect Eng - Design	5	5	5
Assoc Mech Eng - Design	3	3	3
Supervising Assessment Tech	1	0	0
Sr Asst Civil Eng - Design	12	12	12
Sr Asst Elect Eng - Design	3	3	3
Sr Asst Mech Eng - Design	1	1	1
Assistant Civil Engineer	3	1	1
Assistant Electrical Engineer	2	1	1
Assistant Mechanical Engineer	2	0	0
Sr Assessment Technician	1	0	0
Administrative Specialist I	1	1	1

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
05817 - Engineering Services - Water			
413020 - Engineering Administrative Support			
Drafting Technician IV	1	1	1
Drafting Technician III	12	12	12
Mechanical Engineer	1	0	0
Principal Governmental Analyst	2	1	1
Principal Clerk	1	1	1
Head Constr Inspector - DWSD	1	1	1
Prin Construct Inspector-DWSD	7	7	7
Sr Construction Inspector	25	25	25
Construct Insp - Investigation	1	0	0
Construction Inspector	1	1	1
Supervising Survey Technician	1	1	1
Associate Surveyor	1	1	1
Survey Technician	2	1	1
Eng Support Specialist II	4	3	3
Eng Support Specialist I	1	1	1
Office Assistant III	4	3	3
Senior Clerk	5	5	5
Office Assistant II	5	4	4
Clerk	4	4	4
Student Eng - Grade II Mech	2	1	1
Total Engineering Administrative Support	157	139	138
Total Engineering Services - Water	160	142	141
Agency Total	1,916	1,900	1,900